

## Abstract

Synchronizer for RZ-WDM Signals and method for synchronization

5

The invention is related to a synchronizer for more than one optical RZ signal in a wavelength multiplex transmission system comprising at least one variable delay line (1) with an input  
10 receiving RZ-WDM optical channels (2), at least one delay controller (3) receiving the RZ-WDM output optical channels (10), the delay controller generating a control signal depending on the power of the RZ-WDM output optical channels (10) and a control circuit (9) to control the at least one delay line (1) in such a way that the optical  
15 WDM channels are synchronized.

20

(Figure 2)

10070691.030802